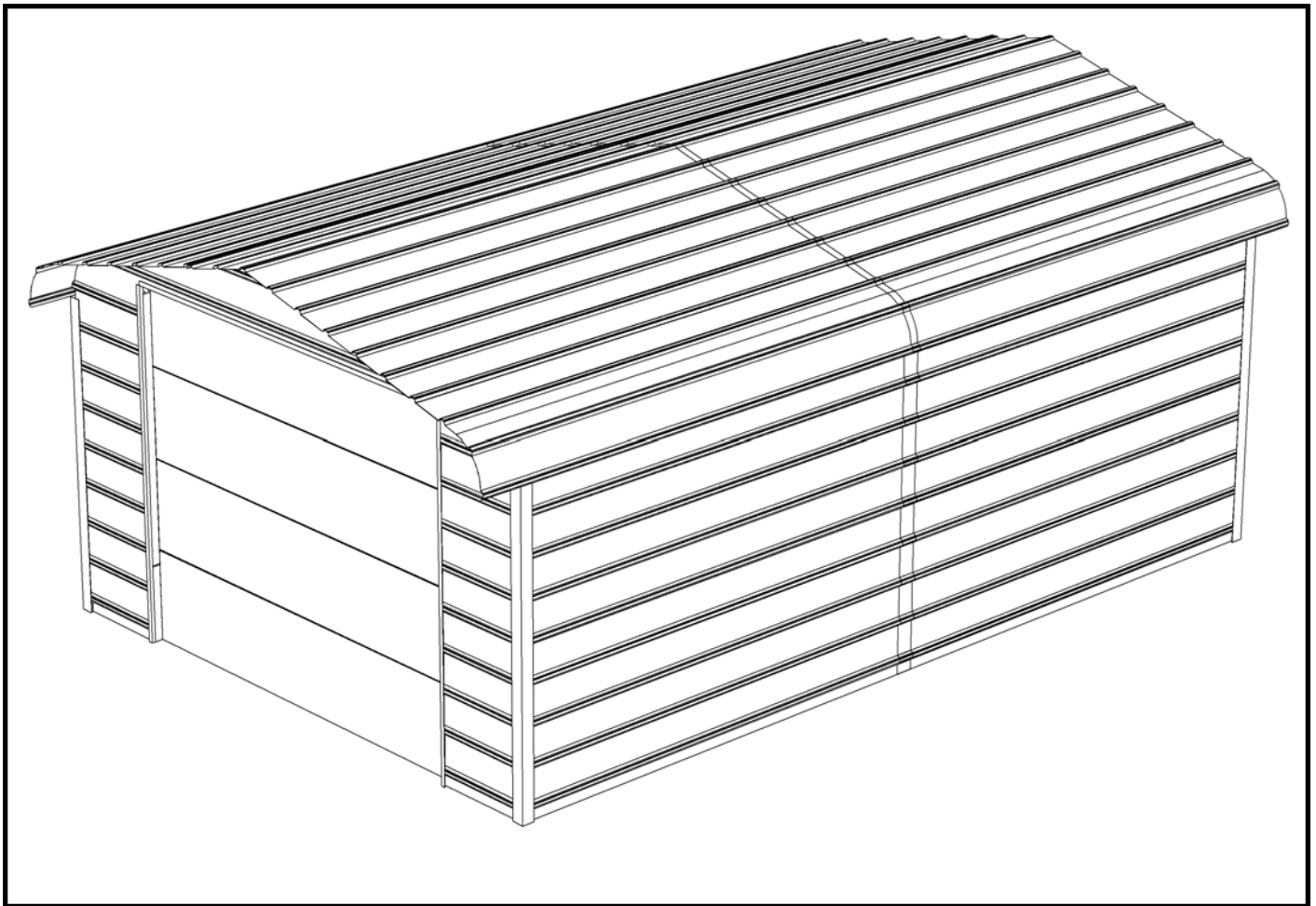




ASSEMBLY INSTRUCTIONS TO FULLY ENCLOSE 12' X 20' (ROOF) X 7' 2"SQ VERSATUBE CLASSIC CARPORT WITH 8' X 7' GARAGE DOOR



Our unique assembly process quickly transforms the individual pieces into a finished structure that will give you years of service. Great care has been taken to ensure complete satisfaction with your purchase. In the unlikely event that there are any missing or damaged parts or if you simply need technical assistance, please call our Toll Free Hot-line at 1-800-900-7222 and your questions will be addressed promptly. Thank you for choosing the VersaTube Building System.

SAFETY, HAZARD and MAINTENANCE INSTRUCTIONS

CAUTION:

Read the following safety warnings and all instructions in their entirety prior to installation. If you have questions or are missing any parts, contact Mid-South Metal Products, Inc. (DBA, VersaTube Building systems) customer service at 1-800-900-7222 before proceeding.

CAUTION:

VersaTube Building Systems designs and manufactures framing products to meet minimum load requirements in most areas. It is the buyer's sole responsibility to determine the specific building code requirements applicable in the city and/or county of the state in which this product is being erected, and to ensure the product is installed with sufficient materials and in such a manner as to comply with the codes.

WARNING:

Metal parts may get hot when exposed to high heat or direct sunlight. Avoid contact with skin and wear protective gloves and clothing to prevent the possibility of burns.

WARNING:

Standing or walking on the structure could cause damage to the sheet metal panels. If you must walk on the roof, step within 1' of a major frame member. The structure must be properly braced to support human weight. Collapse of the structure may cause serious injury do to weight of components.

WARNING:

Avoid installation on windy days as wind may create hazards during the installation process. Wind may blow material or cause partially installed components to collapse prior to being secured or fully installed. The weight of the components or structure may cause serious injury if it should collapse.

WARNING:

Metal conducts electricity and electrical shock hazards exist since the structure is made of metal. During installation or storage, keep the structure and all components away from electrical sources. Make sure that your selected location is away from power lines, underground cables, and any other source of electrical power. Serious injury or even death may occur if contact is made with electrical current.

WARNING:

In the event that your structure is fully enclosed, be sure to provide proper and adequate ventilation and egress and ingress. Hazardous, poisonous or noxious substances should not be stored in the structures absent proper ventilation. Follow all warnings and instructions of the manufacturer of any substance stored in your building. Also, proper ingress and egress should be provided to prevent persons or children from becoming trapped inside the structure.

WARNING:

If metal panels are selected to cover all or a portion of your structure, be careful of the sharp edges which may cause cuts or lacerations. Wear protective work gloves and suitable clothing for protection and always take care when handling metal parts.

NOTE:

The VersaTube Building System is an all domestically produced galvanized tubular steel framing system. Maintenance is required twice annually on particular areas of the framing system i.e. "weld seams" and "cut or raw ends". This maintenance is performed by applying any "Zinc coated" silver spray paint found at local mass merchant or paint store to these areas twice annually or every six (6) months.

NOTE:

All sheet metal cladding applied to the VersaTube frame are attached with self drilling screws with a rubber washer. These screws produce small shavings when drilling through the cladding. If the shavings are allowed to sit on the sheet metal for an extended period, rust spots will form and promote deterioration. Metal shavings must be brushed after installation of the sheet metal. Claims reported against rust spots will not be honored by VersaTube Building Systems.

ATTENTION:

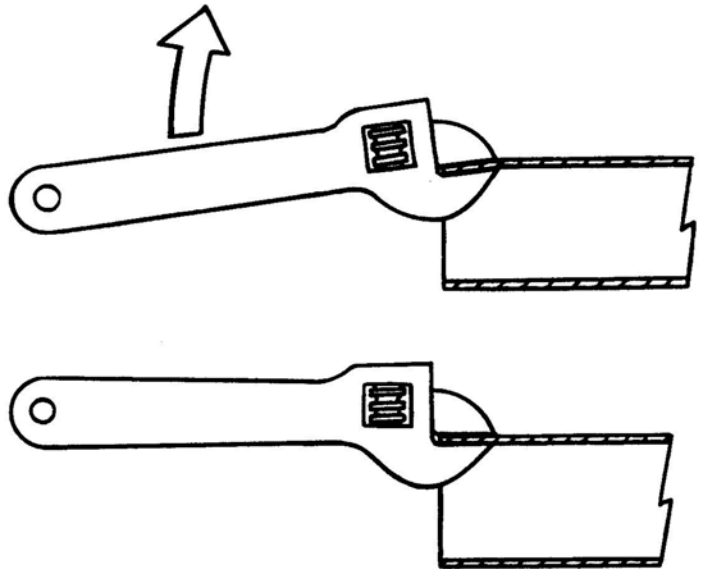
**IT IS IMPORTANT THAT YOU READ THE FOLLOWING NOTES
BEFORE STARTING THE ASSEMBLY OF YOUR SHELTER**

NOTE:

If you are not mounting the shelter to a concrete pad, you should level the selected area and remove high spots caused by roots or rocks. It is particularly important that the areas on which the shelter base plate assemblies will sit are level with each other. Choose a level site away from power lines.

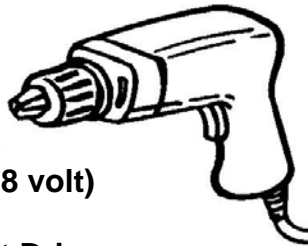
NOTE:

If during the installation process you have difficulty fitting frame components together, use an adjustable wrench to open end of receiving tube as shown at right. Close wrench down around bent portion of tube and bend wall outward.

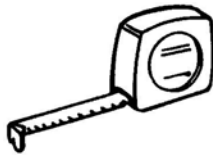


What you'll need:

**Cordless (14 or 18 volt)
Or Electric Drill
With 5/16" Socket Drive**



Tape Measure



Hammer



Pencil/Marker



2 Step Ladders



Work Gloves



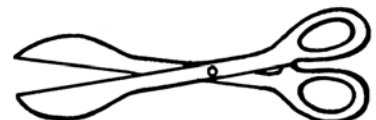
Level



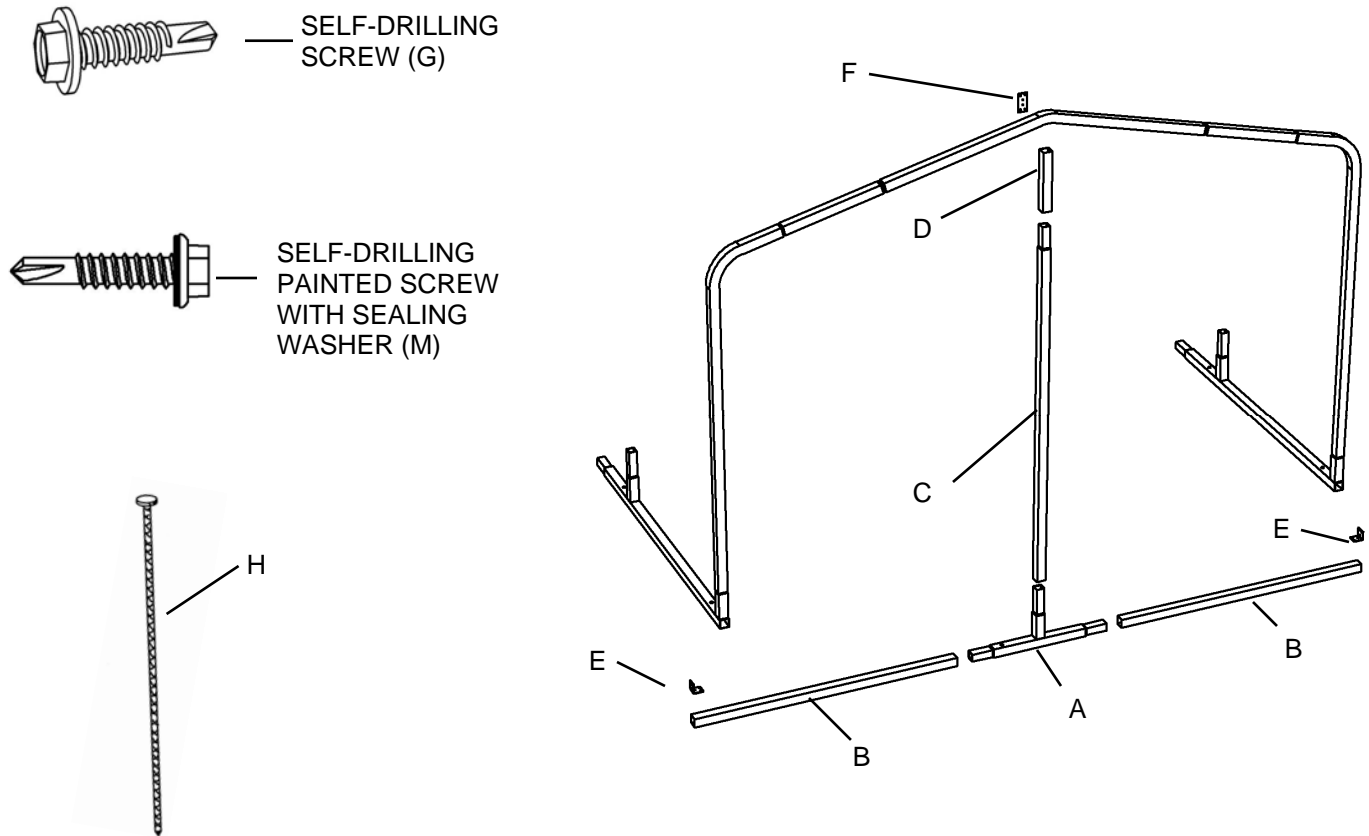
Shove



Tin Snips



BACK ENCLOSURE FOR 12' X 7' HORIZONTALLY SHEETED GARAGE



PARTS LIST

PART NO.	PARTS	QTY.	LETTER
71-BE-T	T-SECTION	1	A
7400-5875	BASE RAIL 2" X 2" X 58 3/4"	2	B
74-8175	BACK VERTICAL 2" X 2" X 81 3/4" WITH SWAGED END	1	C
7400-1300	VERTICAL EXTENSION 2" X 2" X 13"	1	D
BK-10	ANGLE BRACKET	2	E
BK-20	FLAT BRACKET	1	F
71-9999-A	40 PIECE SCREW PACK, #12 X 1" SELF-DRILLING, HEX HEAD	1	G
ANC-24	GROUND ANCHOR 30"	1	H
	SHEET METAL PANELS FOR BACK – 6'-1" (NOT SHOWN)	6	I
	SHEET METAL PANELS FOR SIDES – 9'-2" (NOT SHOWN)	8	J
	3"x3" CORNER TRIM 8', FOR CORNERS (NOT SHOWN)	2	K
	SELF-DRILLING PAINTED SCREWS	250	M

ASSEMBLY INSTRUCTIONS FOR BACK ENCLOSURE FRAME BE-12-7.0 (12' WIDE)

STEP 1: BASE RAIL ASSEMBLY

Loosely assemble a base rail (B) on both ends of the T-Section (A). Place the loose base assembly on the ground or concrete pad at the back of the building with the pin on the T-Section in the vertical position. Adjust the joint spacing to be equal. The ends of the base rails should be touching the Side Base Rails of the building. Now fasten each joint (from the top) with two #12 x 1" Self-Drilling Screws (G). (See Joint Detail)

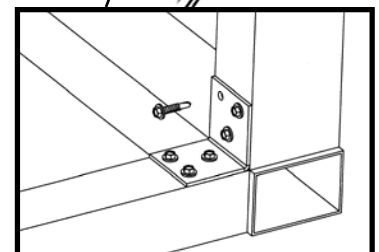
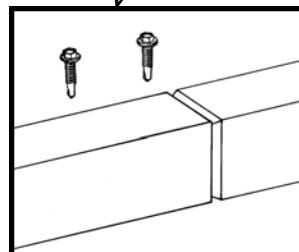
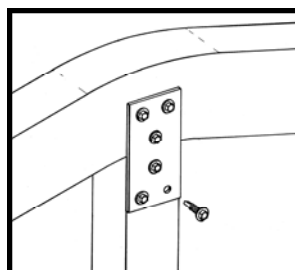
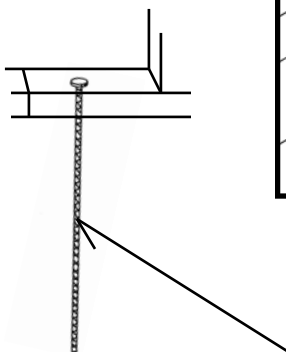
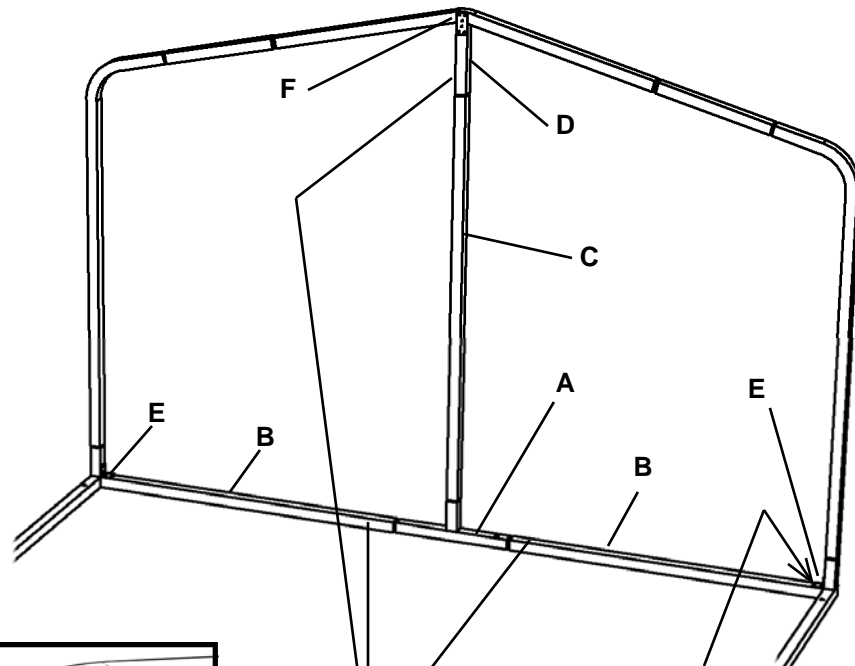
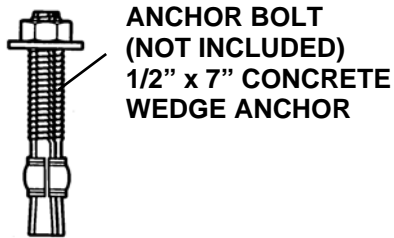
STEP 2: ANCHORING THE BASE RAIL ASSEMBLY

Fasten the base rail ends to the building frame with Angle Brackets (E) and Self-Drilling Screws (G). Place the brackets on the top of the base rails, one at each end.

Anchor the T-Section to the ground or concrete slab as you did the building frame with ground anchors (H) (provided) or concrete wedge anchors (not provided).

STEP 3: ASSEMBLING BACK VERTICAL AND EXTENSION

Loosely assemble the Vertical Extension (D) onto the Back Vertical (C). Now, Place the Assembly onto the vertical pin on the T-Section (A). Fasten the Vertical Extension (D) to the Peak of the building frame with a Flat Bracket (F) And six Self-Drilling Screws (G). (The top of the Vertical Extension should touch the bottom of the building peak. The back vertical should be plumb. Now, fasten the joint of the Back Vertical and Vertical Extension with two Self-Drilling Screws (G).



INSTALLATION OF SHEET METAL PANELS

NOTE: IF YOU PURCHASED A BACK ENCLOSURE, THE BACK ENCLOSURE PANELS MUST BE INSTALLED FIRST.

INSTALLATION OF BACK ENCLOSURE SHEET METAL PANELS

STEP 1: CUTTING AND INSTALLING THE BOTTOM PANEL

Three 12' Sheet metal Panels (I) have been provided to enclose the back of the structure. You will be installing the bottom panel first. Cut one of the panels to a width of 29 3/8". (measure down from the top/under lap edge of the panel).

Place the panel on the back of the building at the bottom with the ends flush with the outside of the building frame Side Posts. Lift the panel to leave 1/8" space between the bottom of the panel and the ground or concrete pad. Make sure the building is square and fasten the panel to the frame corner and center posts with Painted Self-Drilling Screws (with rubber washers) (M). Place screws 1" above and below each major rib. (See Rib Detail)

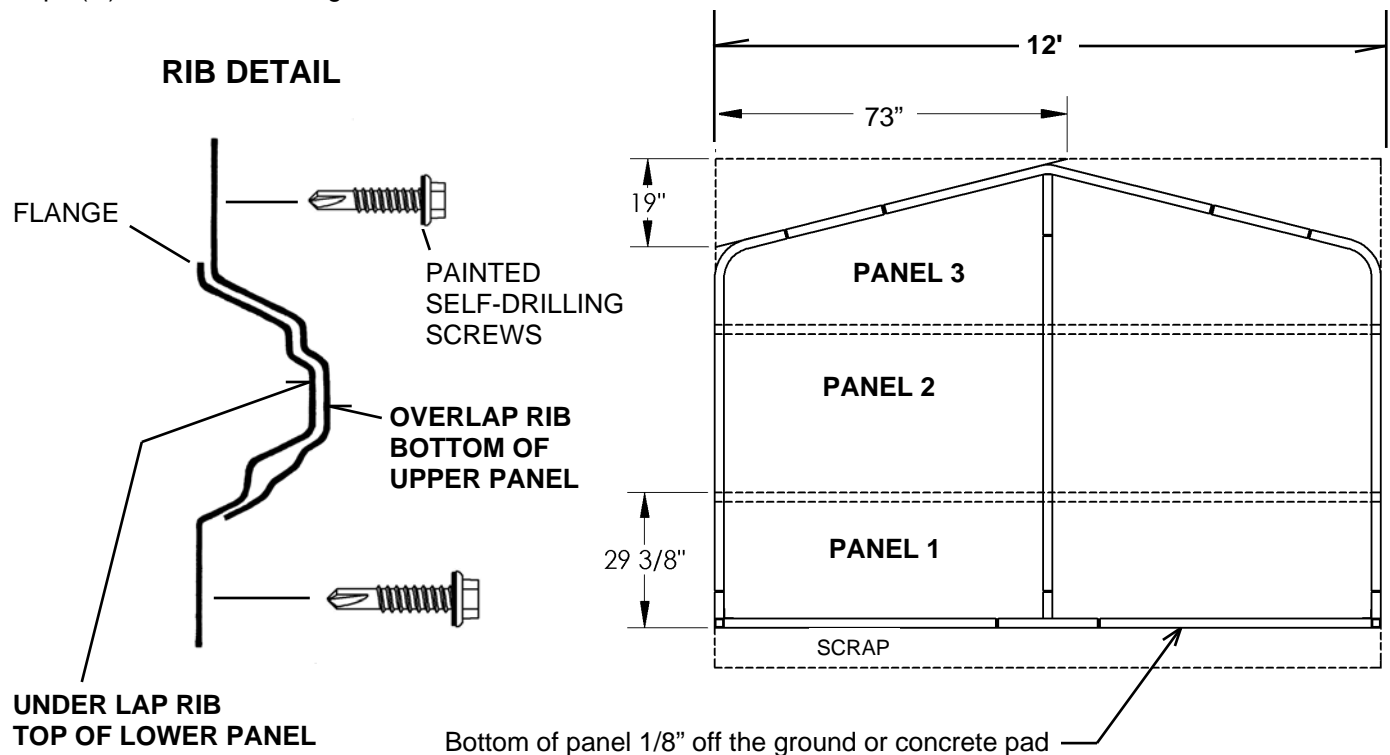
STEP 2: INSTALLING PANEL 2.

To install panel 2, lap the bottom (overlap) rib over the top (under lap) rib of the lower panel, flush the ends of the panel with the outside of the building frame, and attach with screws as you did the first panel.

STEP: 3 CUTTING AND INSTALLING PANEL 3 (TOP PANEL)

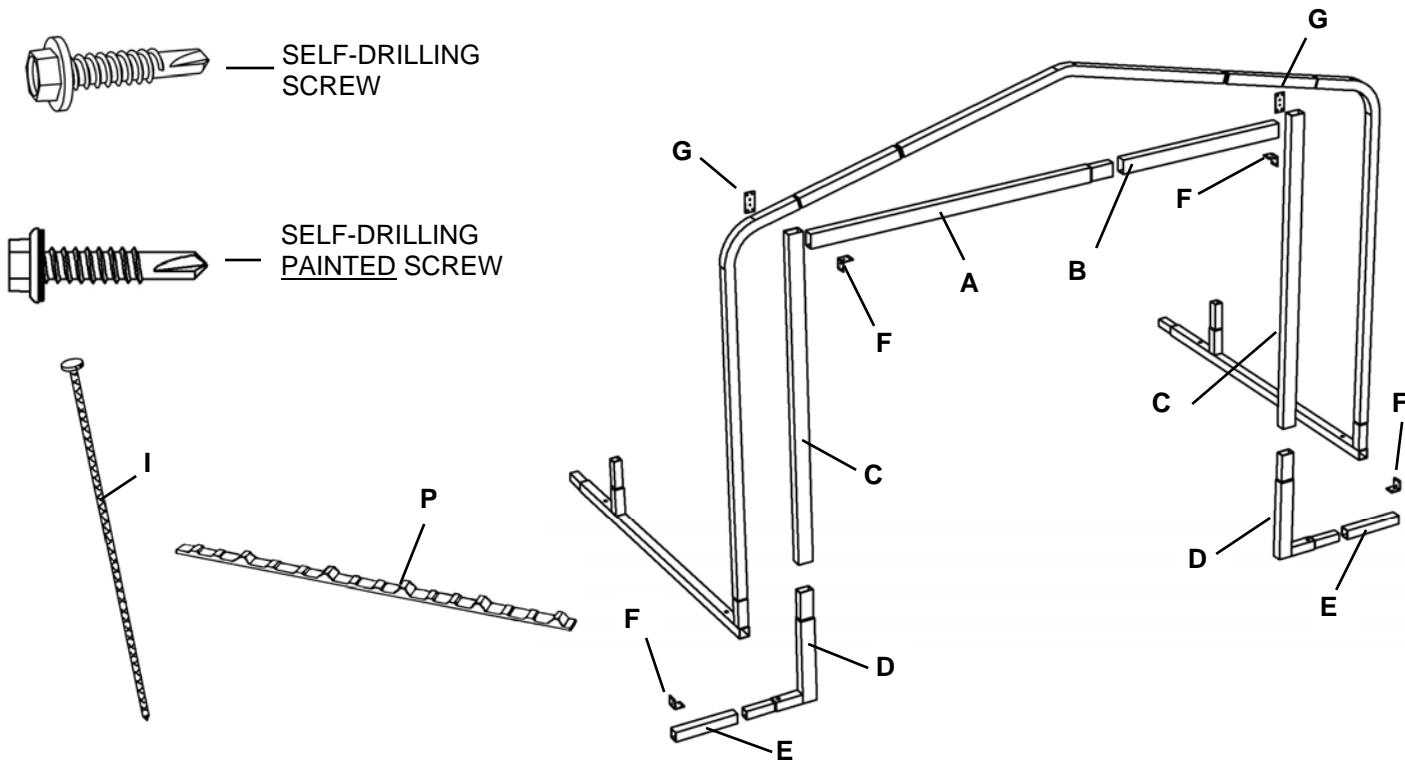
Put the top panel in place on the building and (with a pencil or marker) trace the building roof contour on the back of the panel. Take the panel down and cut the panel to fit. Return the panel to the building, flush the ends of the panel with the outside of the building frame and fasten with screws (one at each end above the major rib, above and below each major rib to the center post, and along the roof frame members as needed).

If you are installing the sheet metal panels after the roof has been installed, you will need to use the dimensions below to cut the panels. You will also have to loosen or remove the end screws in the roof panels to insert Closure strips (O) then reinstall or tighten the screws.



FRONT ENCLOSURE FOR 12' X 7' HORIZONTALLY SHEETED GARAGE

ON A GARAGE THE FRONT ENCLOSURE IS ASSEMBLED TO THE FRONT FRAME SECTION.



PARTS LIST

PART NO.	PART	QTY.	LETTER
HE-5	LONG HEADER TUBE	1	A
7100-3550	SHORT HEADER TUBE	1	B
7100-6775	DOOR VERTICAL TUBE	2	C
71-FE-L	L-SECTION	2	D
7400-1300	FRONT BASE RAIL	2	E
BK-10	ANGLE BRACKET	4	F
BK-20	FLAT BRACKET	2	G
71-9999-A	40 PIECE SCREW PACK, #12 X 1" SELF-DRILLING	1	H
ANC-24	GROUND ANCHOR, 30"	2	I
	SHEET METAL PANEL, 6'-1" (NOT SHOWN)	2	J
	SHEET METAL PANEL, 2' (NOT SHOWN)	4	K
	3"x3" CORNER TRIM 8', FOR CORNERS (NOT SHOWN)	2	M
	SELF-DRILLING PAINTED SCREWS, WITH RUBBER WASHER	100	N

ASSEMBLY INSTRUCTIONS FOR FRONT ENCLOSURE FRAME FE-12-7.0 (12 WIDE)

STEP 1: Assemble Front base Rails and L-Sections

Assemble the Front Base Rails (E) to the L-Sections (D) Do not attach with screws at this time.

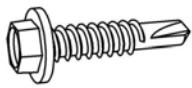
Locate the Base Rail Assemblies as shown below and fasten the Front Base Rails (E) to the side Base Rails of the building with Angle Brackets (F) and Self-Drilling Screws. Place the Angle Brackets on top of the Front Base Rail. They should line up with the vertical pin on the side base rail. Now, measure and adjust the L-Sections (E) so that the inside (door opening) edges of the L-Section are 24" from the outside of the building frame and 8' apart (door opening). Fasten the joints from the top side with two Self-Drilling Screws per joint.

STEP 2: Anchoring the Front Base Rail Assembly

Note: The ground under the Front Base Rails must be level.

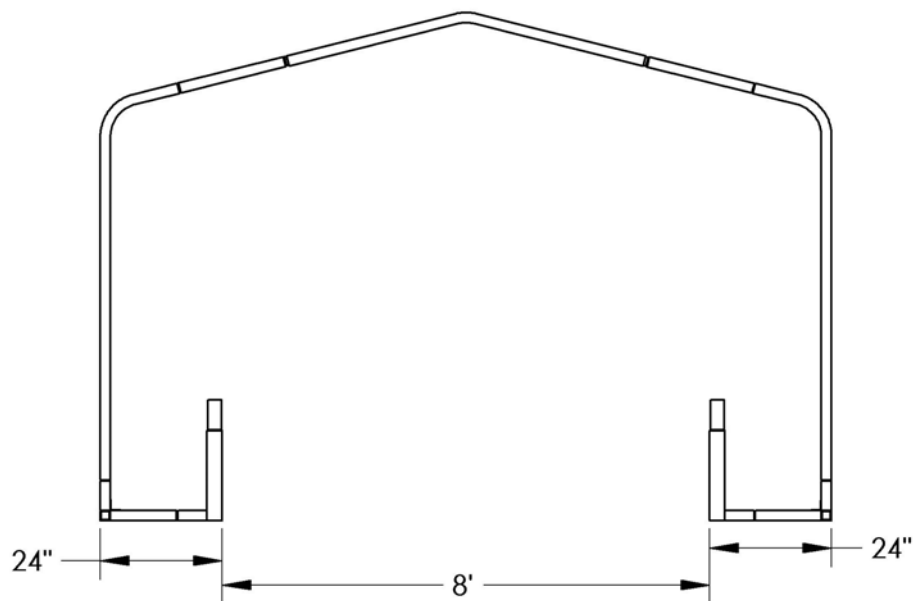
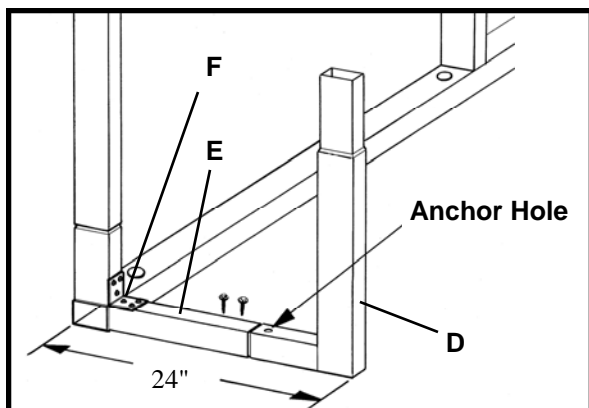
With the joints secure, square the assemblies with the building sides and drive ground anchors through the holes in the L-Sections into the ground or set the ground anchors in concrete. If Your building is on a concrete slab use 1/2" x 7" concrete wedge anchors (**not included**) to anchor the Base Rail Sections to the slab. (Refer to the bolt manufacturer's instructions for proper installation of anchor bolts.)

HINT: You can use a carpenter's square to square the Base Rail Sections with the building or snap a chalk line on the ground from one front corner of the building to the other.

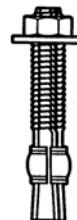


#12 x 3/4"
Self-Drilling
Screw (H)

DETAIL OF L-SECTION ASSEMBLY



GROUND
ANCHOR
(J)



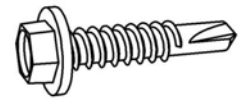
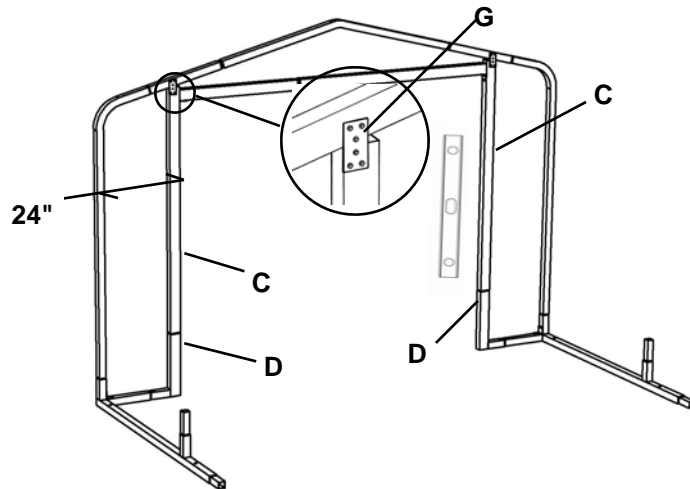
CONCRETE WEDGE ANCHOR
1/2" X 7"
(NOT INCLUDED)

STEP 3: Assembling Door Verticals

Place one Door Vertical (C) on to one L-Section (D). Square the Door Vertical Tube With the building by measuring and setting the distance from the outer edge of the building to the inside (door opening) edge of the door Vertical at 24" at the top. This should match the bottom dimension. Put a mark on the rafter above to use as a placement guide.

IMPORTANT: Make sure that your building frame is square before attaching the vertical door tube.

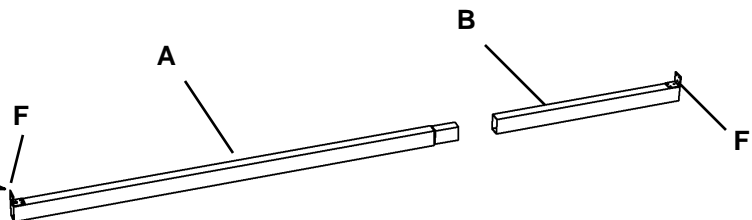
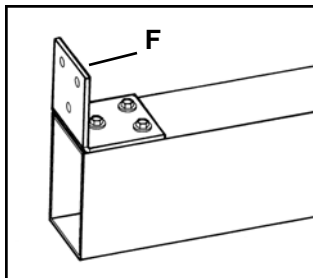
Attach the vertical Door Tube to the rafter with a Flat Bracket (H) and six Self-Drilling screws. The bracket should be placed at the outside edge of the Vertical Door Tube. Mount the bracket on the inside of the building. Now, secure the L-Section/Door Vertical joint with two Self-Drilling screws on the side of the Door Vertical away from the door opening. Repeat this assembly procedure for the other Door Vertical Tube.



#12 x 3/4"
Self-Drilling Screw

STEP 4: Door Header Tube Assembly

Assemble the Long Door Header Tube (A) and the Short Door Header Tube (B) as shown. Do not fasten the joints with screws at this time. Place the assembly on the ground with the 2" side facing up and fasten an Angle Bracket (H) on each end with the Outside of the bracket flush with the end of the tube. Use (3) #12 x 3/4" self drilling screws.



Attach joint with 2 screws
on inside of building

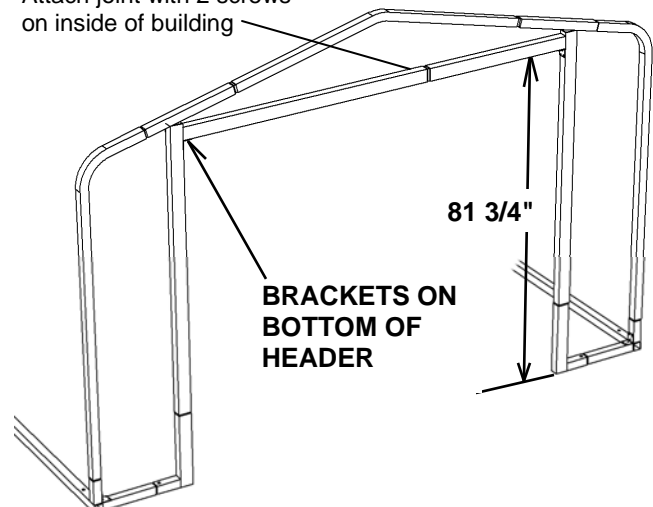
STEP 5: Attaching the Door Header Assembly

Make a mark on the door opening side of both Door Vertical Tubes (D) at 81 3/4" from the bottom of the L-Sections.

Note: You will need two people to lift, position and attach the Door Header Assembly.

Lift the Door Header, flip it over so that the brackets are on the bottom side and line up the bottom ends with the marks on the Door Verticals. Attach the Angle Brackets on the ends of the Door Header to the Door Verticals with (3) #12 x 3/4" self-drilling screws per bracket.

Now, set the door header tubes straight and attach the joint with two screws on the inside of the building.



INSTALLING TRIM ON THE GARAGE DOOR FRAME

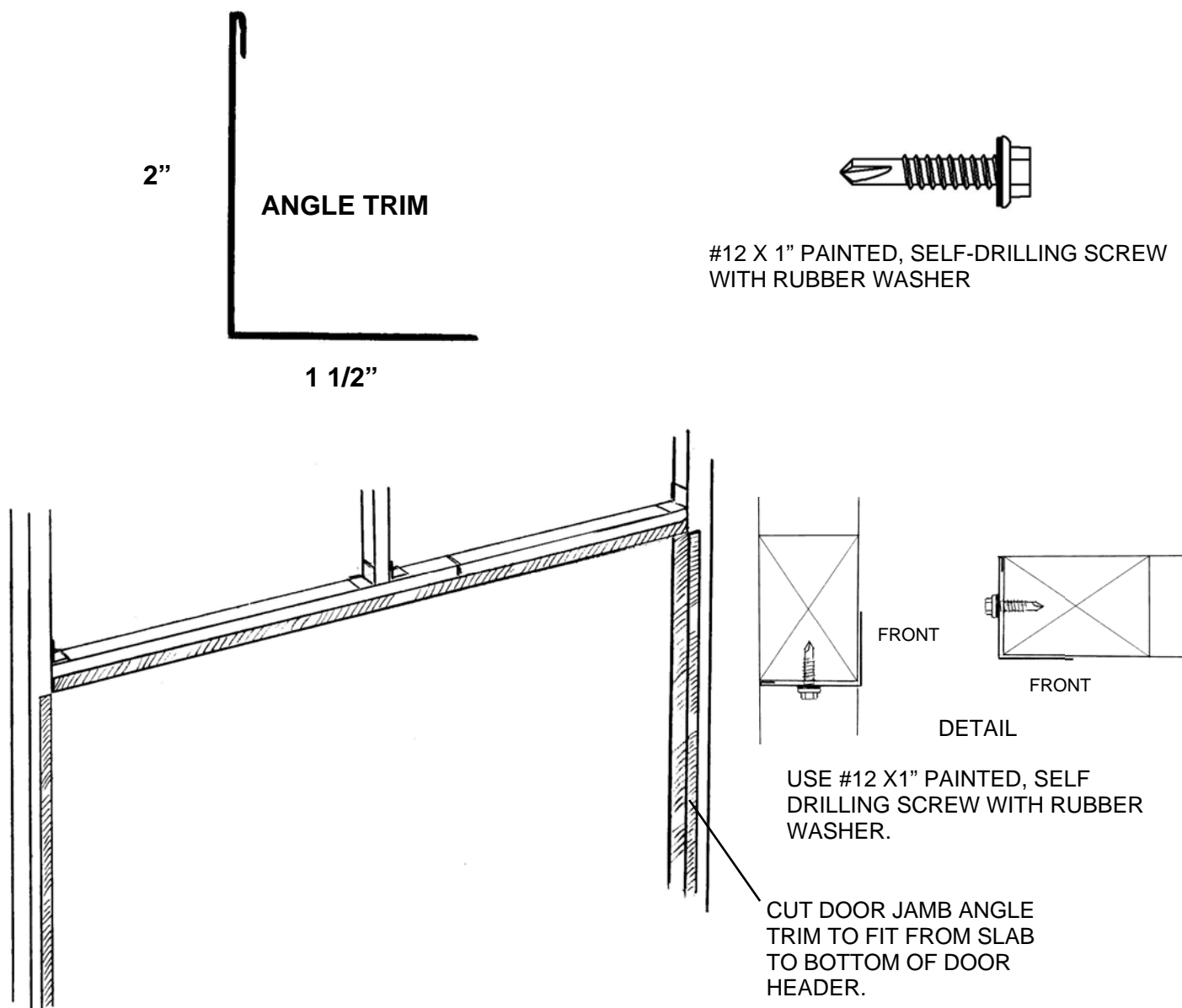
ANGLE TRIM INSTALLATION:

Cut two pieces of Angle Trim to fit from the concrete slab to the top of the door jamb (bottom of the door header) for each door. This will trim out the door jambs.

If you have one 8' wide garage door you will be using (1) 8' piece of Angle Trim for the header.

Fasten the Angle Trim with Painted #12 x 1" Self-Drilling Screws with Rubber Washers every 2'.

ORDER OF INSTALLATION: (1) ANGLE TRIM, (2) J-TRIM, (3) SIDE J-TRIM, (4) TOP J-TRIM



INSTALLATION OF J-TRIM AROUND GARAGE OVERHEAD DOOR:

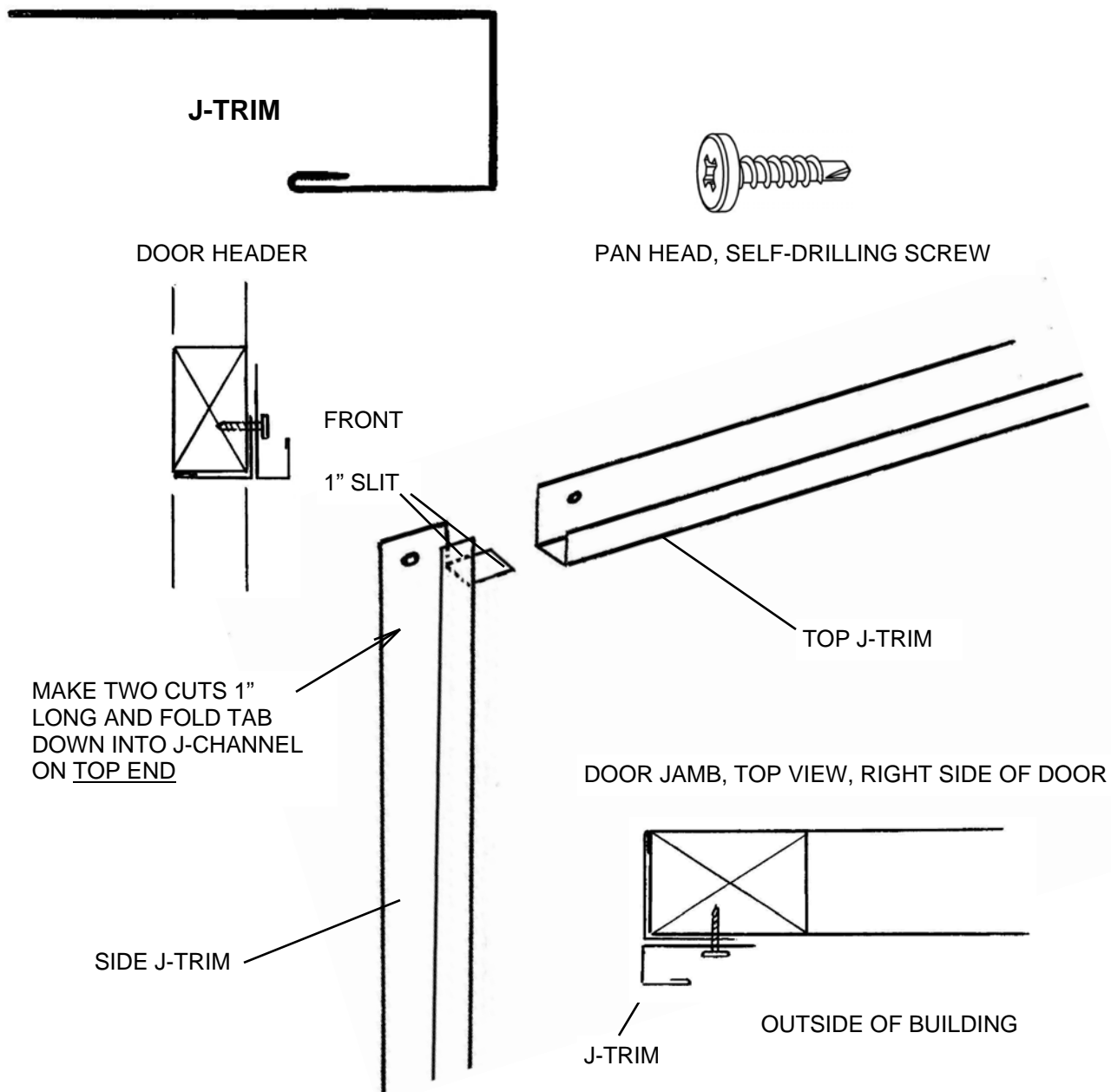
Top J-Trim: Attach one 8' piece of J-Trim to fit from the bottom of the sheeting ledge to the top of the door jamb (bottom of the door header). This will be the side J-Trim. If your building is on a slab with no sheeting ledge, cut the trim to fit from the slab to the under side of the door header.

Sides J-Trim: If you have a 7' tall door cut a piece of J-Trim 85" long and cut a 1" slit in one end as shown in detail. The slit will create a tab that will fold into the door header top J-Trim. See illustration.

Attach the Side J-Trim first at both ends and two additional places equally spaced from top to bottom with Pan Head Self-Drilling Screws. See illustration below for location of Side J-Trim.

Place the Top J-Trim on first, then slide the Side J-Trim tab in the top J-Trim. Fold the end tabs, that you created with the 1" slits, over into the J-Trim channel and attach the at both ends and two on three places down the length with Pan Head, Self-Drilling Screws. (Be sure to place one screw in the overlap joint if you have one.)

NOTE: Inside foam closure strips are provided to put between the sheet metal and J-trim around the garage door.



INSTALLATION OF SHEET METAL ON FRONT ENCLOSURE

(4) 2' and (2) 6'-1" PANELS

NOTE: The sheet metal on the front and back of the building should be installed before the roof and sides.

Step 1: Cutting panels for both sides of door

The four panels to be attached on both sides of the door will be cut from the 8' panel provided. Use the layout below to mark and cut out panels 1 through 4.

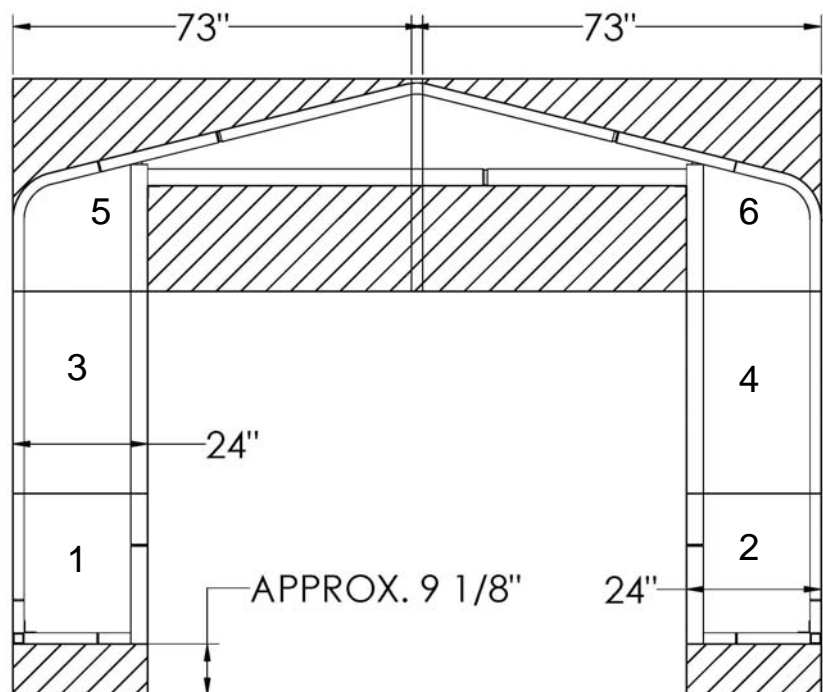
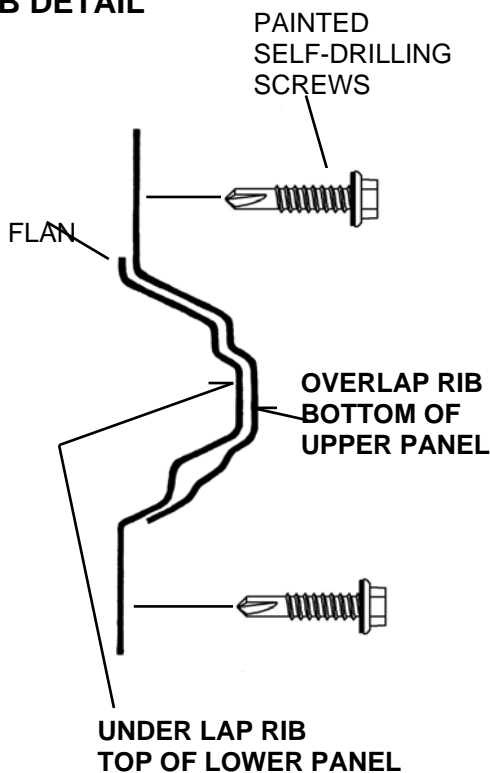
Step 2: Installing the first 4 panels (2' panel)

Start the installation of front panels with panel 1 on the front left and panel 2 on the front right of the building at the bottom. The panels should be raised 1/8" off the ground or concrete slab. Make sure that your building is square and that the panels are flush with the outside of the building frame. Fasten the panels to the building frame with Painted Self-Drilling screws with rubber washers (N) above and below each major rib. Now, install panels 3 and 4 above panels 1 and 2 as shown overlap each successive panel as you work your way up the frame. (See overlap/under lap rib detail)

Step 3: Installation of panel 5 and 6 (6'-1" panel)

Set panels 5 and 6 in place above panels 2 and 3 and mark on the back of the panel the door opening and roof contour. Remove the panel and use tin snips or electric nibbler to trim panels 5 and 6 to fit the building. Now put the panels back in place and attach with painted self-drilling screws.

RIB DETAIL



INSTALLATION OF SHEET METAL PANELS ON THE SIDE OF BUILDING

(8) 9'-2" panels on an 18' long x 7' side wall frame.

These instructions assume that the roof panels are installed on the building and the screws above the bottom rib have not yet been installed.

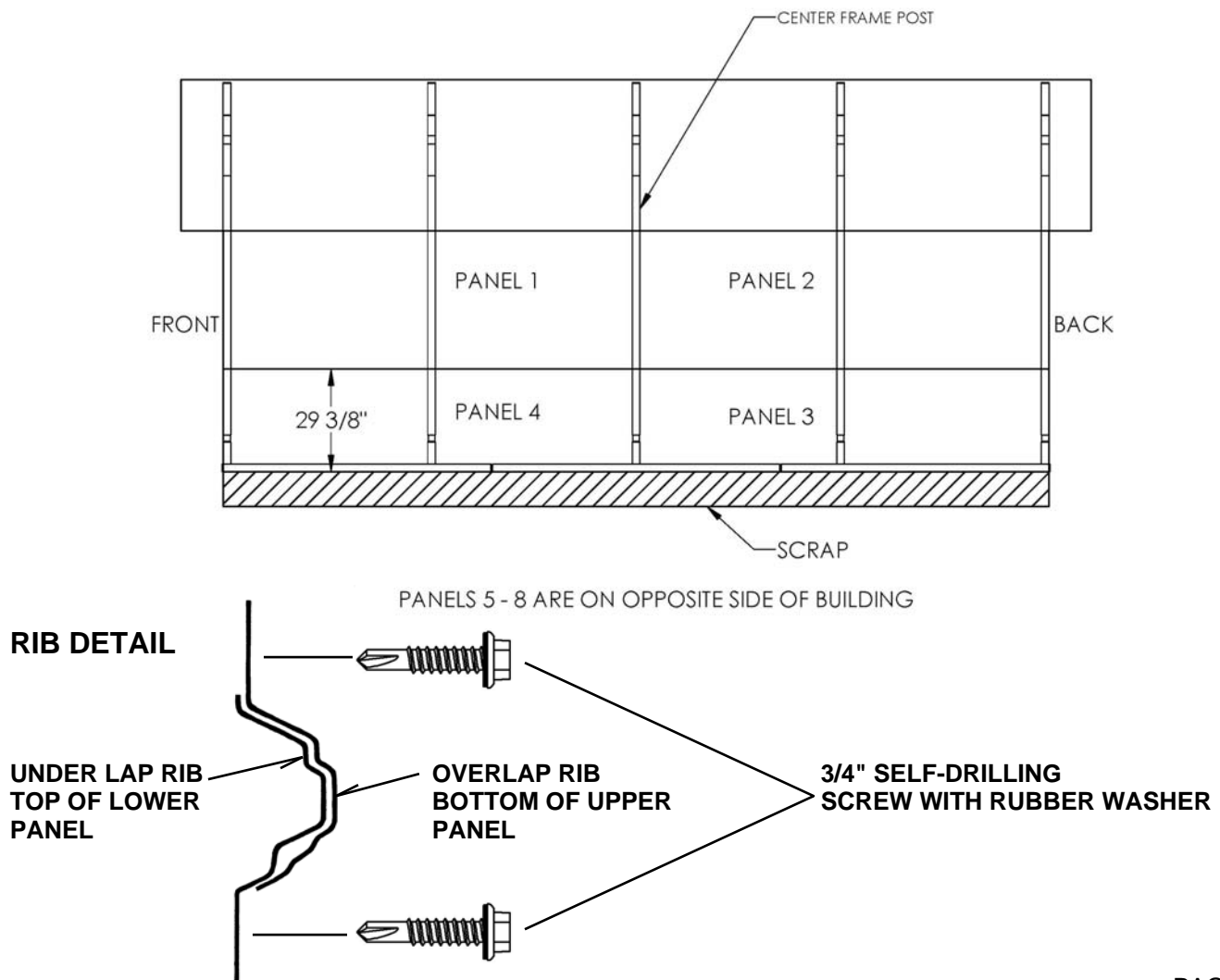
STEP 1: Insert the top (under lap) rib of one of the 9'-2" panels under the bottom rib of the lower roof panel at the back of the building. This will be panel 1. Now, flush panel 1 to the back edge of the building frame and fasten the panel to the corner frame post and the next frame post back with 3/4" self drilling screws with rubber washers. Screws should be placed above and below each major rib. **Do not install screws next to the top or bottom ribs at this time. Do not place any screws at this time in the center frame post.**

STEP 2: Install panel 2 in the same manner as panel 1 with the front edge of the panel flush with the front edge of the building frame. Panel 2 should overlap panel one in the center of the building. (If you removed screws from the lower roof panel, reinstall them at this time.) Install screws above and below each major rib. **Do not install screws above the bottom rib at this time.**

STEP 3: Panels 3, 4, and 7 and 8 (from the other side, not shown) will be partial panels. To create these panels, cut the panels 29 3/8" down from the top side of 4 of the 10' panels. **Be sure to cut the 29 3/8" section measuring from the top under lap edge (see the under lap / overlap detail).** You should check the measurement on your building.

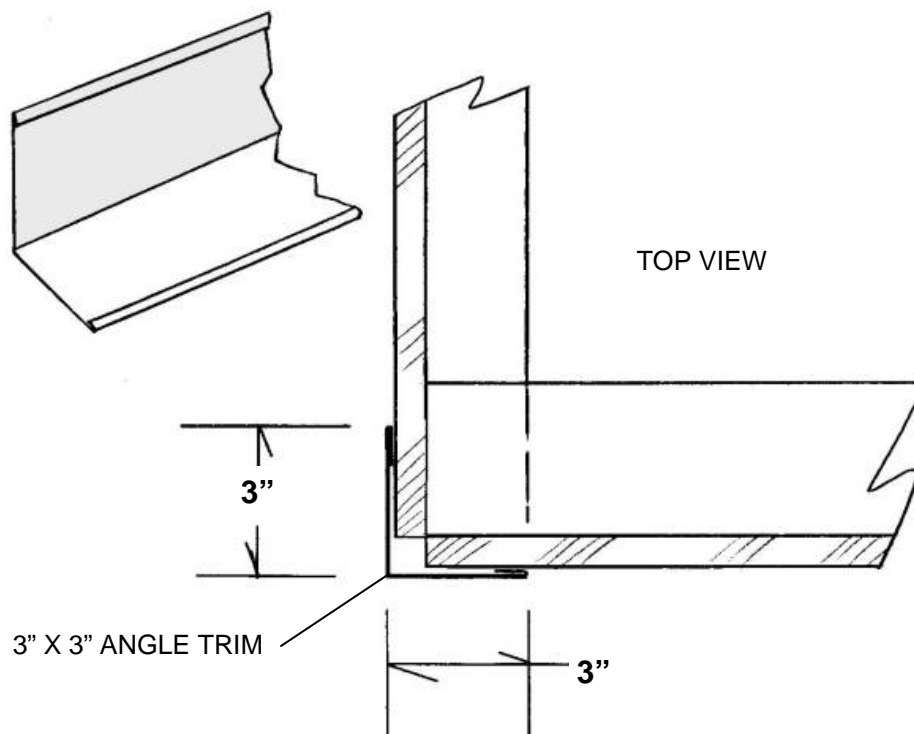
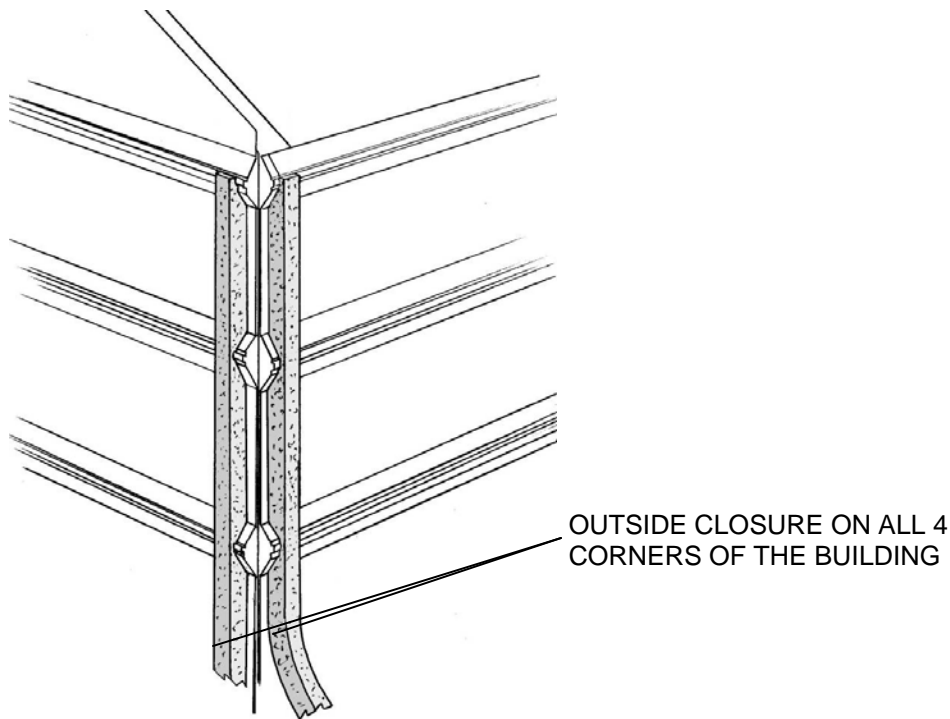
Now, Install panels 3 and 4 under panels 1 and 2 and secure with screws above and below all major ribs at this time.

Note: Panel 4 (the front panel) should overlap panel 3 (the back panel). Repeat assembly on other side of building with panels 5, 6, 7, and 8 (not shown in illustration).



INSTALL CORNER TRIM

Before you install the corner trim you must install Outside Foam Closures. The foam closures are grey foam strips with notches cut out to match the contour of the sheet metal panel ribs. The closures have an adhesive strip on one surface. Peel off the protective paper and install the strips to the sheet metal panels in the corners of the building as shown. The corner trim for your building is angle trim 3" x 3" x 8' long. You will have to cut the corner trim to fit. Screw the trim to the building with #12 x 1" self-drilling screws painted the color of the trim. Place the screws in the trim to hit the center of every other major rib in the sheet metal panels. Attach with screws in the center of every other rib as shown.



INSTALLING YOUR GARAGE DOOR IN A VERSATUBE FRAME

Note that the Versatube frame is all steel with no overhead ceiling joist. You must deviate from the door manufacturer's instructions to install the garage door in the Versatube frame. The following is a list of the installation steps that will be different from the door manufacturer's assembly instructions:

1. It is not necessary for you to frame out your door opening with 2 x 6 lumber. Track brackets will be attached directly to the steel door frame.
2. If you have a door with torsion springs instead of an extension springs you will need to attach a center vertical over the door header if one is not provided. 16' wide doors will come with a center vertical tube 2" square.
3. You will fasten all brackets and channels to the Versatube frame with #12 x 1" self-drilling screws instead of the lag screws provided with your door.
4. The garage door manufacturer's instructions call for assembling all of the door sections one at a time and using 3" nails bent over to hold the sections in place. With the Versatube frame you will assemble only the first or bottom door section and use it as a guide to locate and attach the vertical tracks to the door opening.

If you are installing a garage door in a 12' x 18' x 7' or 7 1/2' Versatube frame. You should have a low headroom double track or a conversion kit provided to allow for only 4 1/2" of headroom. In either case you will need to cut the vertical door tracks down to 66 3/4" in height and drill new mounting holes for the flag bracket. Follow the manufacturer's instructions for assembly of the low headroom double rail or conversion kit. (the 66 3/4" dimension is for horizontal tracks with a 12" radius bend. Some door tracks have a 9" radius bend. If you have a 9" radius track cut the straight vertical tracks down to 69 3/4". For a 15" track cut the vertical tracks down to 63 3/4". (See door manufacturer's instructions to determine track radius size measured from the bottom of the bend to the center of the horizontal track.)

TIP: You should have two people to install the garage door.

Step 1 Low headroom kit

If you have a low headroom track or kit, cut the left and right vertical rail down to 66 3/4" high for a 12" radius track, 69 3/4" for 9" radius, and 63 3/4" for a 15" radius. Cut off the top of the rail. See illustrations in the manufacturer's instructions.

Step 2 Track and Flag Brackets to Vertical Track

Install mounting brackets and flag bracket to the vertical rails according to the manufacturer's instructions.

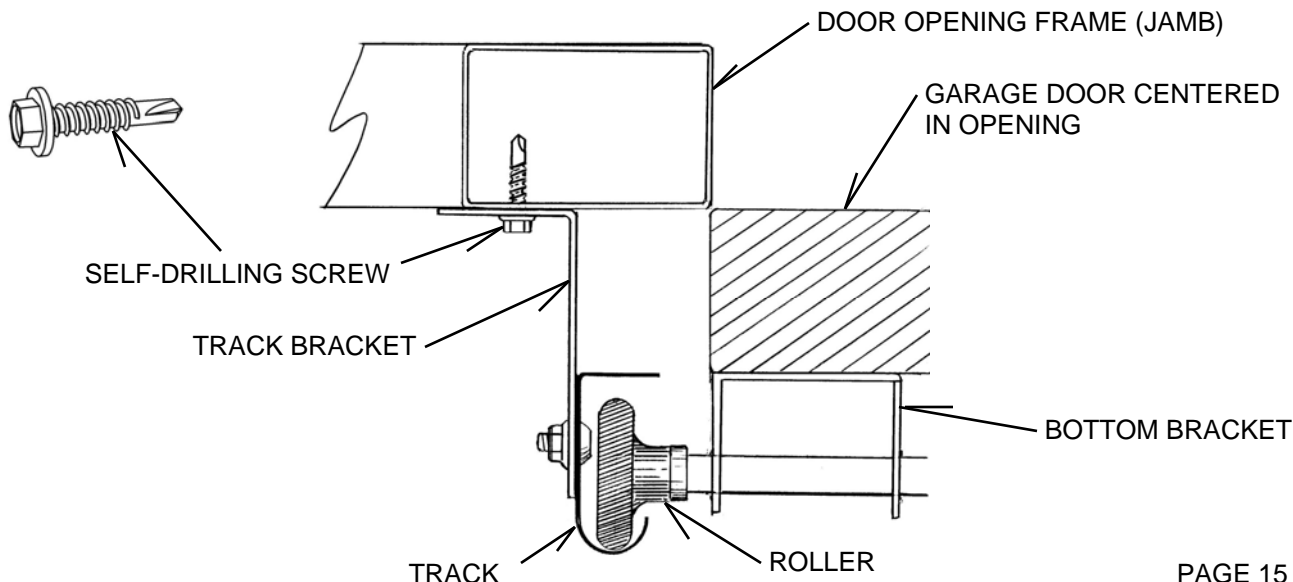
Step 3 Assemble Door Section 1

Assemble door section #1 according to the manufacturer's instructions including the bottom weather strip, the bottom wheel brackets and the correct hinges. Insert 4 rollers into bottom brackets and hinges and place the first door section in the door opening with the front of the door flush with the back of the door frame. Center the door side to side. One person must hold the door in place or brace it up with something on both sides.

Step 4 Installing Vertical Door Tracks

Slide the left vertical door track onto the wheels. Use your level to plumb the track and fasten the bottom track bracket to the door frame with a #12 x 1" self-drilling screw (the same screws used to assemble your frame).

Plumb the track and attach the next higher bracket to the door frame. Continue to plumb and attach all brackets and flag bracket to the frame with self-drilling screws. When all brackets are installed go back and install one additional screw in



Step 5 Installing Additional Door Sections

Follow the door manufacturer's instructions and assemble door section 2. Note that each door section uses a different height hinge at the ends of the door and the same size hinge in the center of the door. When the second door section is assembled, install the rollers and install the door section into the vertical door tracks sliding it down from the top of the tracks. With the section in place attach the door hinges connecting section one to section two.

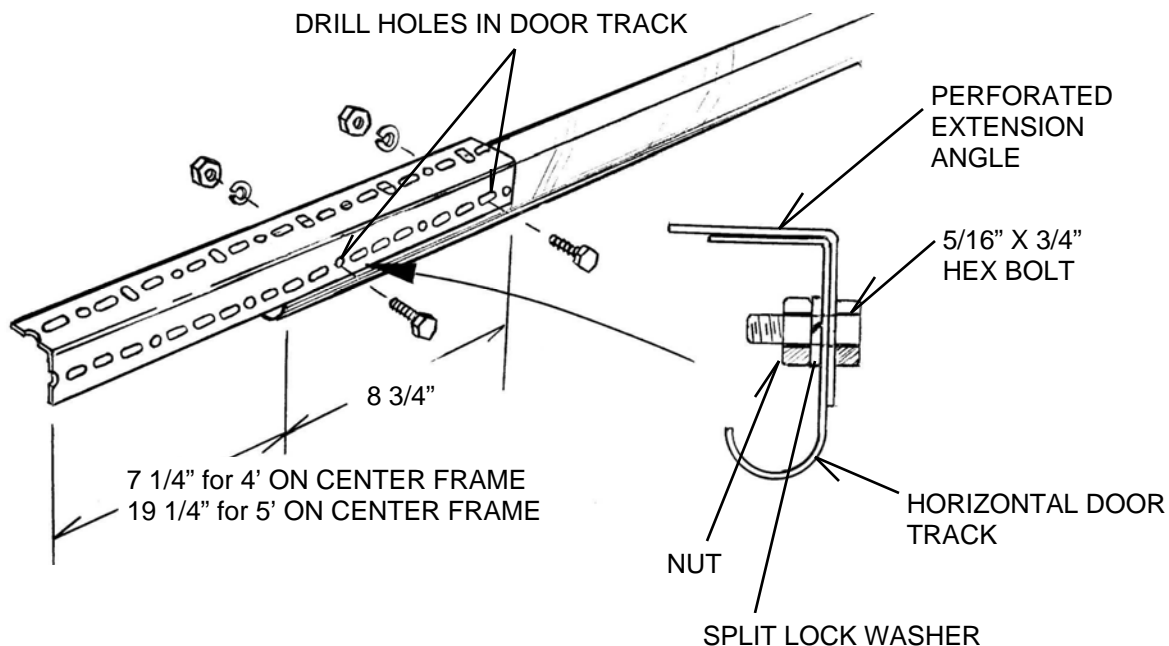
Repeat this assembly for door section three. If your door is taller than 7' install all but the top section. The top section will be installed after the horizontal track (and low headroom kit if required) is installed.

Step 6 Installing Low Headroom Kit or Double Track and Horizontal Door Tracks

Follow the instructions provided by the manufacturer of the Low Headroom Kit to assemble the kit to the horizontal tracks. *Note: The Perforated Angle and the 5/16" x 3/4" hex bolts, lock washers and nuts are not provided and must be purchased separately. The length of angle you will need will depend on building height and door configuration. You will need 8 of the hex bolts, lock washers and nuts. You should have enough self-drilling screws left over from the building assembly.*

If the Versatube building that you have has 4' on center frame spacing you will tie the back of the horizontal tracks up to the rafter above at the end of the tracks. If the your building has the frame sections on 4 1/2' or 5' centers you will have to add an extension piece of perforated angle (1 1/2" x 1 1/2" x 16 GA.) to your tracks. This extension will allow you to connect the vertical perforated angle to the rafter above. (See illustration on next page)

For 4 1/2' on center buildings cut two pieces of Perforated Angle (1 1/2" x 1 1/2" x 16 GA.) 16" long. For 5' on center frames cut the angle lengths to 28". Measure from the back of the horizontal tracks 8 3/4" and make a mark on the outside of the track. Place the extension angle piece on the track as shown with the end of the angle extension lined up with your mark. Clamp the track and extension angle together and drill two 5/16" hole through the door track using the two of the holes in the perforated angle as a guide. (See illustration)

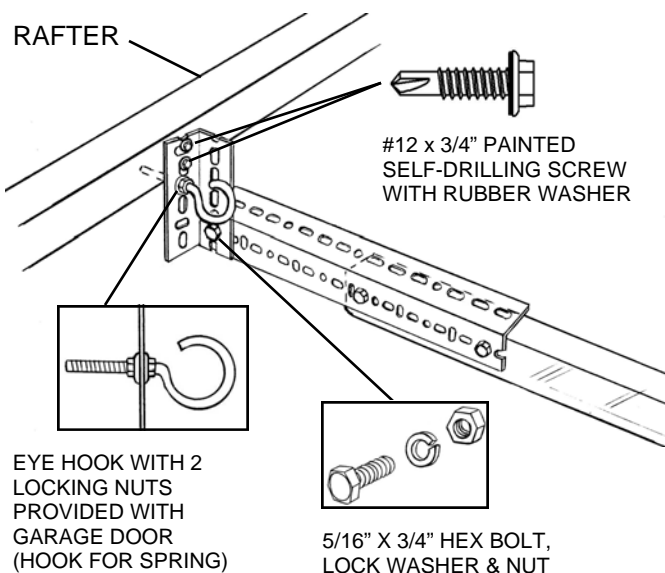


Step 7

Attach the Horizontal Tracks to the Vertical Tracks following the manufacturer's instructions. If you are attaching a low headroom kit you will also refer to the instructions included with that kit. To temporally support the back of the tracks use a string tied to the back of the perforated angle extensions. You should be able to find a place to lace the string through the sheet metal and over the rafter. If you prefer, you can drive a self-drilling screw into the side of the rafter part way and tie the string to the screw.

The back of the perforated angle extension (that you attached to the horizontal tracks) will be fastened vertically to the rafter above with a piece of perforated angle and a brace piece placed at an angle. Use 5/16" x 3/4" hex bolts with lock washers and nuts to attach the angle pieces together and #12 x 3/4" painted self-drilling screws with rubber washer (the same screws you used to attach the sheet metal on the building) to attach the perforated angles to the rafter above.

Note: The perforated angle and 5/16" x 3/4" hex bolts, lock washers and nuts are not provided with the garage door or conversion kit. They must be purchased separately. See illustration on next page.



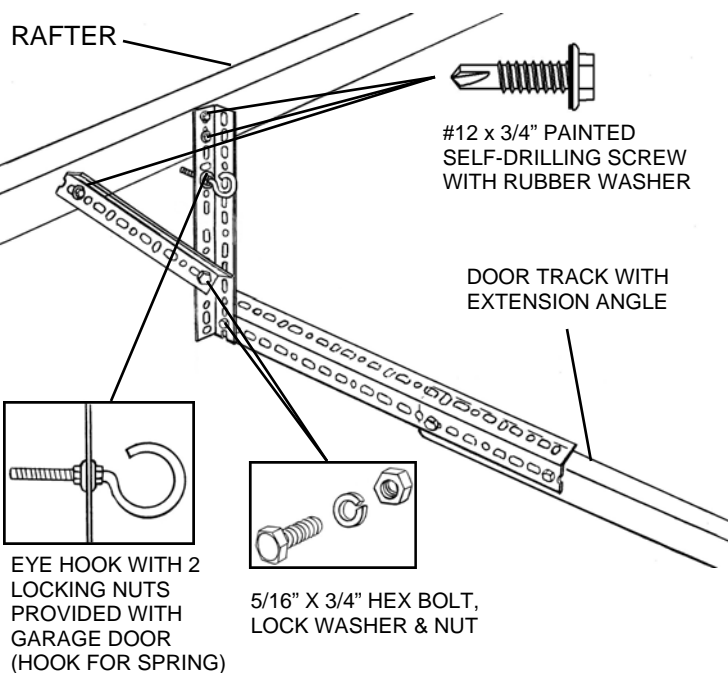
ATTACHMENT OF DOOR TRACK WITH EXTENSION ANGLE TO RAFTER IN 12' WIDE BUILDING WITH A LOW HEADROOM KIT INSTALLED.

Before you start, make sure that the tracks are level and square to the front of the building. Use your level to set the track level and measure the diagonals from the back of one track to the front of the other. The diagonals must be equal. See illustration in door manufacturer's instructions.

Cut a piece of perforated angle to fit vertically as shown and fasten it to the track extension angle with a 5/16" x 3/4" hex bolt, lock washer and nut. Fasten the top portion to the rafter with two Painted self-drilling screws with rubber washers (the same screws you used to attach the sheet metal to your building).

ATTACHING THE SPRING HOOK (EYE BOLT)

With a low headroom kit you will mount the spring hook to the vertical brace as high as you can above the track extension. Place a flanged, locking hex nut on the eye bolt the full extension of the threads with the flange to the rear. Insert the bolt through the vertical brace and install another flanged hex nut as shown. Tighten the nuts.



ATTACHMENT OF DOOR TRACK WITH EXTENSION ANGLE TO RAFTER IN BUILDING WITHOUT A LOW HEADROOM KIT INSTALLED.

Before you start, make sure that the tracks are level and square to the front of the building. Use your level to set the track level and measure the diagonals from the back of one track to the front of the other. The diagonals must be equal. See illustration in door manufacturer's instructions.

Cut a piece of perforated angle to fit vertically as shown and fasten it to the track extension angle with a 5/16" x 3/4" hex bolt, lock washer and nut. Fasten the top portion to the rafter with two Painted self-drilling screws with rubber washers (the same screws you used to attach the sheet metal to your building). Now, cut a piece of perforated angle to create an angle brace as shown and attach it to the track extension just above the extension with a 5/16" x 3/4" hex bolt, lock washer and nut. Attach the brace to the rafter with a painted self-drilling screw.

ATTACHING THE SPRING HOOK (EYE BOLT)

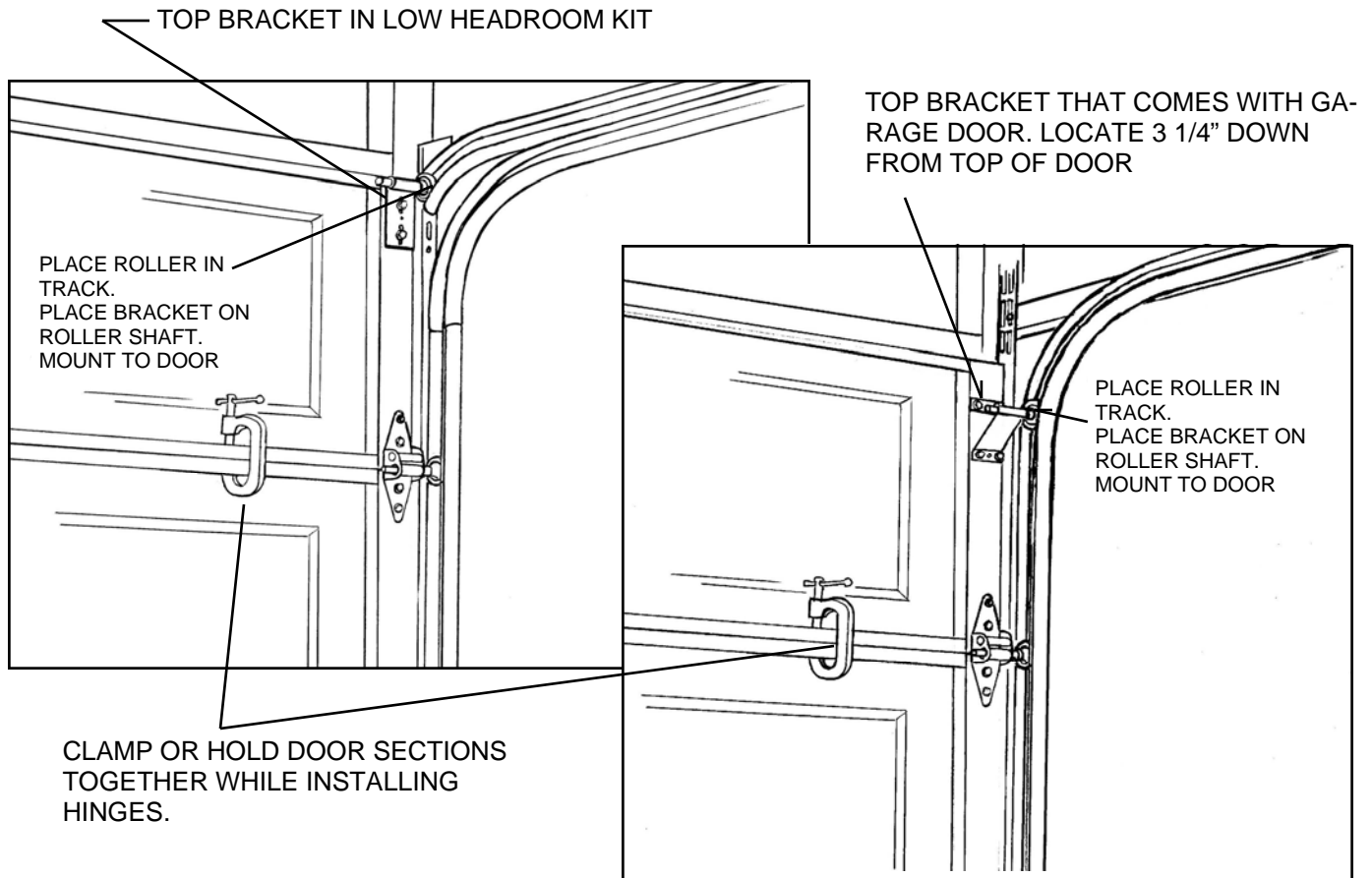
The spring hook should be attached to the vertical brace about 12" above the track extension. Place a flanged, locking hex nut on the eye bolt the full extension of the threads with the flange to the rear. Insert the bolt through the vertical brace and install another flanged hex nut as shown. Tighten the nuts.

IF YOUR BUILDING HAS FRAME SECTIONS ON 4' CENTERS, YOU WILL NOT NEED A PERFORATED TRACK EXTENSION. YOU WILL ATTACH THE END OF THE DOOR TRACK TO THE RAFTER WITH A VERTICAL BRACE AND AN ANGLE BRACE AS SHOWN ABOVE RIGHT. THE VERTICAL BRACE WILL ATTACH TO THE LARGE HOLE AT THE BACK OF THE DOOR TRACK.

INSTALLING THE TOP DOOR SECTION

With the door tracks (and low headroom kit if required) installed it is now time to install the last or top door section. Place the last door section on top of the section before. Center it side to side and clamp the bottom of the top section to the lower section or have a helper hold the bottom of the section in place while you attach the hinges connecting the sections at the center and both ends.

Take a roller, lace it into the track or low headroom track, place the top roller bracket onto the roller shaft, position the bracket on the top door section and attach it to the door with sheet metal screw. Repeat on other end of top door section.



Make all necessary adjustments to the track brackets to allow the door operate smoothly. See the door manufacturer's instructions for all adjustments.

Refer to the door manufacturer's instructions for spring installation. If you have a torsion spring door, Mount the center bearing plate with #12 x 3/4" painted, self-drilling screws with rubber washers instead of 5/16" x 1 1/2" lag screws. Pre drill one additional 1/4" hole in the plate between the existing holes prior to mounting. Use 3 screws.

INSTALLING DOOR SEALS

Door weather seal strips have been provided to go on the door frame (outside the door) both sides and top of the door to seal out wind and rain.

Cut the one seal to fit your door header and fasten it to the Versatube frame with painted #12 x 3/4" self-drilling screws with rubber washers. Place the screws about 12" apart. Locate the weather seal strip so that the flexible seal portion presses lightly against the front of the door. Now cut to side pieces of trim to go from the bottom side of the top trim to the concrete slab. Fasten the side pieces as you did the top seal.

